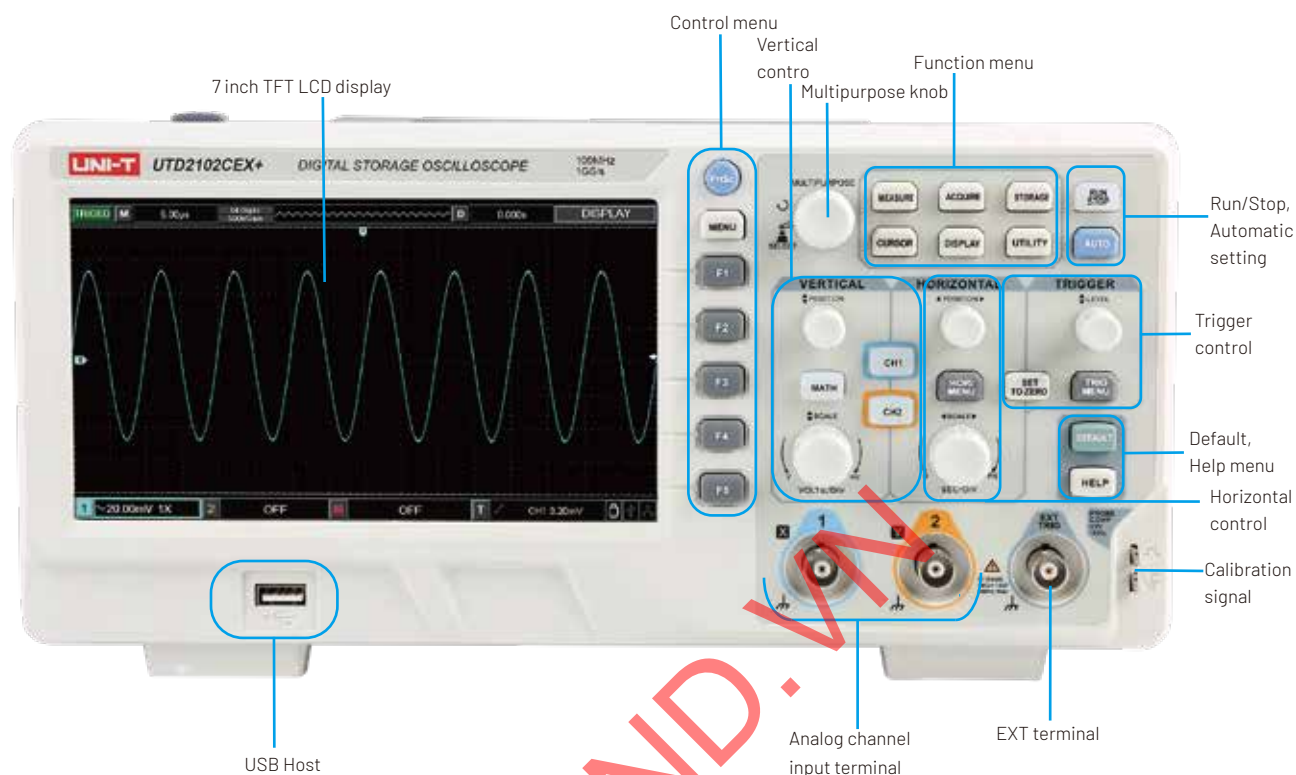


# Data Sheet

UTD2000CEX+ Series Digital Oscilloscopes

# Panel Structure



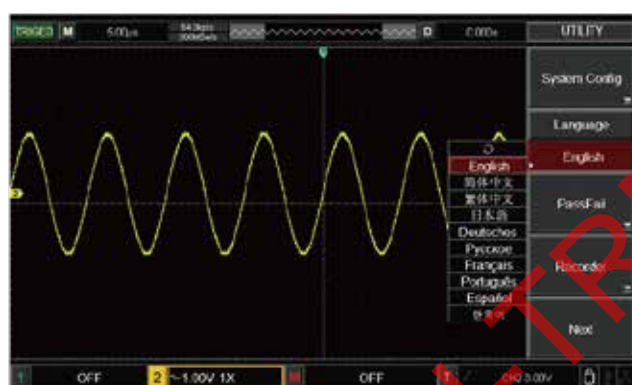


● UTD2000CEX+

The UTD2000CEX+ Series digital storage oscilloscope is an entry-level bench solution that meets the key requirements of basic measurement. The simple and clear front panel is designed for easy operation. The UTD2000CEX+ Series has 50MHz/100MHz/200MHz bandwidth, real-time sampling rate of 1GSa/s, dual channel and other performance output, and storage depth of 64kpts. With extensive application scenarios, this model is suitable for communication, semiconductor, computer, instrument, industrial electronics, consumer electronics, automotive electronics, on-site maintenance, R & D / education and more.

- 50/100/200MHz bandwidth
- 2 channels, low noise floor, wide vertical range: 1mV/div~20V/div
- Memory depth: 64kpts
- System software upgrade via USB drive

- 7 inch TFT LCD
- Supports plug-and-play USB storage device; communication with and remote control of computer through the USB device



- Multilingualism to meet the needs of more users in countries



- 8div×16div Wider display range



- Automatic Measurement of Waveform Parameters



- Waveform recording functions

| Key Specifications           | UTD2052CEX+  | UTD2102CEX+ | UTD2202CEX+ |
|------------------------------|--|-------------|-------------|
| Bandwidth                    | 50MHz  | 100MHz      | 200MHz      |
| Channels                     | 2  |             |             |
| Sampling rate                | 1GSa/s   |             |             |
| Memory depth                 | 64kpts   |             |             |
| Waveform capture rate        | 5,000wfms/s  |             |             |
| Rise time                    | <7ns   | <3.5ns      | <1.8ns      |
| Vertical scale(V/div)        | 1mV/div~20V/div  |             |             |
| Vertical resolution          | 8bit   |             |             |
| Time base scale(s/div)       | 2ns/div~50s/div  |             |             |
| Deviation from scope         | ±8div(away from screen center)   |             |             |
| Input impedance              | 1MΩ±2% ,18±3pF   |             |             |
| Input coupling               | DC, AC, GND  |             |             |
| Timing accuracy              | ≤±(50+2×service life)ppm   |             |             |
| Time base mode               | Y-T、X-Y、Roll   |             |             |
| Storage methods              | Setup, wave, bitmap  |             |             |
| Trigger types                | Edge, pulse, alternate,slope, video  |             |             |
| Mathematical operations      | +, −, ×, ÷, FFT  |             |             |
| Auto measurements            | Max, Min, High, Low, Ampl, Pk-Pk, Middle, Mean, CycMean, RMS, CycRMS, Period, Freq,Rise, Fall, RiseDelay, FallDelay, +Width, -Width, FRR, FRF, FFR, FFF, LRF, LRR, LFR, LFF, +Duty, -Duty, Area, CycArea, OverSht, PreSht, Phase, 34 parameters in total |             |             |
| Displayed measurements       | Display 5 measurements at the same time  |             |             |
| Frequency counter            | 6 bits   |             |             |
| Interface                    | USB Host,USB Device,Pass/Fail  |             |             |
| Power                        | 100-240VAC, 45-440Hz   |             |             |
| Display                      | 7 inch TFT LCD, 800×480  |             |             |
| Product color                | White and grey   |             |             |
| Product net weight           | 2.5kg  |             |             |
| Product size(W×H×D)          | 306mm×138mm×124mm  |             |             |
| Standard quantity per carton | 2pcs   |             |             |
| Standard carton size         | 450mm x 420mm x 280mm  |             |             |
| Standard carton gross weight | 7.5kg  |             |             |

| Ordering Information |  |
|----------------------|--|
| UTD2000CEX+          | UTD2202CEX+:200MHz,1GSa/s,64kpts,2-Channel                       |
|                      | UTD2102CEX+:100MHz,1GSa/s,64kpts,2-Channel                       |
|                      | UTD2052CEX+:50MHz,1GSa/s,64kpts,2-Channel                        |
| Standard Accessories | Power cord conforming to the standard of the destination country |
|                      | UT-D14:USB interface cable                                       |
|                      | UT-P03:Passive Probe x 2(1 x , 10 x switchable,60MHz)            |
|                      | UT-P04:Passive Probe x 2(1 x , 10 x switchable,100MHz)           |
|                      | UT-P05:Passive Probe x 2(1 x , 10 x switchable,200MHz)           |

## Warranty

Three-years warranty, excluding probes and accessories.

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